

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-14. Canceled.

15. (Previously Presented) A magnetic information recording medium, comprising a magnetic recording layer formed on a glass substrate made of a non-crystallized glass containing SiO_2 , B_2O_3 and Al_2O_3 as essential components, comprising, by mol%, 40 to 75 % of SiO_2 , 1 to 25% of B_2O_3 , 1 to 20% Al_2O_3 and 5 to 15% of Li_2O , 2 to 45 % of a total of B_2O_3 and Al_2O_3 and 0 to 40 % of $\text{R}'_2\text{O}$ in which R' is at least one member selected from the group consisting of Li, Na and K, wherein the total content of SiO_2 , B_2O_3 , Al_2O_3 and $\text{R}'_2\text{O}$ is at least 90 mol%, the glass having a specific modulus of $30 \times 10^6 \text{ N}\cdot\text{m/kg}$ or higher and the glass substrate having no chemical strengthened layer.

16. (Previously Presented) The magnetic information recording medium of claim 15, wherein the glass substrate has a fragility index value, measured in water, of $12 \mu\text{m}^{-1/2}$ or less.

17. (Previously Presented) The magnetic information recording medium of claim 15, wherein the glass substrate has a fragility index value, measured in an atmosphere having a dew point of -5°C or lower, of $7 \mu\text{m}^{-1/2}$ or less.

18. (Previously Presented) The magnetic information recording medium of claim 15, wherein the glass substrate has a fragility index value, measured in water, of $12 \mu\text{m}^{-1/2}$ or less and a fragility index value, measured in an atmosphere having a dew point of -5°C or lower, of $7 \mu\text{m}^{-1/2}$ or less.

19. (Previously Presented) The magnetic information recording medium of claim 15, wherein the glass substrate has a B_2O_3 content of 1 to 25 mol%.

20. (Previously Presented) The magnetic information recording medium of claim 15, wherein the glass substrate has a B_2O_3 content of 2 to 20 mol%.

21. (Currently Amended) A non-crystallized glass substrate for an information recording medium, comprising, by mol%, greater than 65 %, as a total, of SiO_2 and at least one of B_2O_3 and Al_2O_3 , the content of B_2O_3 being 1 to 25 %, 1 to 20% of Al_2O_3 and 5 to 15% of LiO_2Li_2O , 0 to 20 % of RO in which R is at least one member selected from the group consisting of Mg, Ca, Zn, Sr and Ba, 28 % or less of R'_2O in which R' is at least one member selected from the group consisting of Li, Na and K, 0 to 10 % of TiO_2 and 0 to 10 % of ZrO_2 , the total content of said components being at least 95 mol%, the glass substrate having a specific modulus of 30×10^6 N·m/kg or higher and having a fragility index value, measured in water, of $12 \mu m^{-1/2}$ or less.

22. (Currently Amended) A non-crystallized glass substrate for an information recording medium, comprising, by mol%, greater than 65 %, as a total, of SiO_2 and at least one of B_2O_3 and Al_2O_3 , the content of B_2O_3 being 1 to 25 %, 1 to 20% of Al_2O_3 and 5 to 15% of LiO_2Li_2O , 0 to 20 % of RO in which R is at least one member selected from the group consisting of Mg, Ca, Zn, Sr and Ba, 28 % or less of R'_2O in which R' is at least one member selected from the group consisting of Li, Na and K, 0 to 10 % of TiO_2 and 0 to 10 % of ZrO_2 , the total content of said components being at least 95 mol%, the glass substrate having a specific modulus of 30×10^6 N·m/kg or higher and having a fragility index value, measured in an atmosphere having a dew point of $-5^\circ C$ or lower, of $7 \mu m^{-1/2}$ or less.

23. (Currently Amended) A non-crystallized glass substrate for an information recording medium, comprising, by mol%, greater than 65 %, as a total, of SiO_2 and at least one of B_2O_3

and Al_2O_3 , the content of B_2O_3 being 1 to 25 %, 1 to 20% of Al_2O_3 and 5 to 15% of $\text{LiO}_2\text{Li}_2\text{O}$, 0 to 20 % of RO in which R is at least one member selected from the group consisting of Mg, Ca, Zn, Sr and Ba, 28 % or less of $\text{R}'_2\text{O}$ in which R' is at least one member selected from the group consisting of Li, Na and K, 0 to 10 % of TiO_2 and 0 to 10 % of ZrO_2 , the total content of said components being at least 95 mol%, and having a fragility index value, measured in water, of $12 \mu\text{m}^{-1/2}$ or less the glass substrate having a specific modulus of $30 \times 10^6 \text{ N}\cdot\text{m}/\text{kg}$ or higher and having a fragility index value, measured in an atmosphere having a dew point of -5°C or lower, of $7 \mu\text{m}^{-1/2}$ or less.

24. (Currently Amended) A non-crystallized glass substrate for an information recording medium, comprising, by mol%, 40 to 75 % of SiO_2 , 2 to 45 % of B_2O_3 and/or Al_2O_3 , the content of B_2O_3 being 1 to 25 %, 1 to 20% of Al_2O_3 and 5 to 15% of $\text{LiO}_2\text{Li}_2\text{O}$, and 40 % or less of $\text{R}'_2\text{O}$ in which R' is at least one member selected from the group consisting of Li, Na and K, wherein the total content of SiO_2 , B_2O_3 , Al_2O_3 and $\text{R}'_2\text{O}$ is at least 90 mol% and wherein the glass substrate having a specific modulus of $30 \times 10^6 \text{ N}\cdot\text{m}/\text{kg}$ or higher and having a fragility index value, measured in an atmosphere having a dew point of -5°C or lower, of $7 \mu\text{m}^{-1/2}$ or less.

25. (Previously Presented) The glass substrate for an information recording medium as recited in claim 24, having a fragility index value, measured in water, of $12 \mu\text{m}^{-1/2}$ or less.

26. (Previously Presented) The glass substrate for an information recording medium as recited in claim 24, having a fragility index value, measured in an atmosphere having a dew point of -5°C or lower, of $7 \mu\text{m}^{-1/2}$ or less.

27. (Previously Presented) The glass substrate for an information recording medium as recited in any one of claims 21 to 23, wherein the content of B_2O_3 is 2 to 20 %.

28. (Previously Presented) The glass substrate for an information recording medium as recited in any one of claims 21 to 24, having a Young's modulus of at least 70 GPa.

29. (Previously Presented) The glass substrate for an information recording medium as recited in any one of claims 21 to 24, having a modulus of rigidity of at least 20 GPa.

30. (Previously Presented) The glass substrate for an information recording medium as recited in any one of claims 21 to 24, which is made of a glass having a region wherein the glass has a viscosity of at least 1 Pa·s, in a range of temperatures equivalent to, and higher than, a liquidus temperature of the glass.

31. (Previously Presented) The glass substrate for an information recording medium as recited in any one of claims 21 to 24, which is made of a glass having a thermal expansion coefficient of $60 \times 10^{-7}/^{\circ}\text{C}$ or greater at a temperature of from 100°C to 300°C.

32. (Previously Presented) The glass substrate for an information recording medium as recited in any one of claims 21 to 24, which is devoid of a chemically strengthened layer.

33. (Previously Presented) A magnetic information recording medium comprising a glass substrate as recited in any one of claims 21 to 24, and a magnetic recording layer formed on the glass substrate.